

INTERNATIONAL SEARCH REPORT

US2004/001461

,		00200	1, 001101	
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C12N15/11 A61K31/713 A61P31/1	1		
	b International Patent Classification (IPC) or to both national classification	ion and IPC		
	SEARCHED			
Minimum do IPC 7	currentation searched (classification system followed by classification C12N	n symbols)		
Documentat	tion searched other than minimum documentation to the extent that su	ch documents are included in the fields s	earched	
Electronic d	ata base consulted during the international search (name of data bas	e and, where practical, search terms used	i)	
EPO-In	ternal, EMBASE, WPI Data			
			ľ	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rela	vant passages	Relevant to claim No.	
Y	WO 02/055693 A (RIBOPHARMA AG) 18 July 2002 (2002-07-18)		1-18, i [‡] 20-64, 66-80, 82-85	
	* See the whole document (which do much the same matter as the prese cation — except the lipophilic gr	nt Appli-		
Υ	TUSCHL ET AL: "Small interfering revolutionary tool for the analysis gene function and gene therapy" MOLECULAR INTERVENTIONS, vol. 2, 2002, pages 158-167, XPOC * See page 163, right column (-> attachment of lipophilic residues at the 3'-termini) *	1-18, 20-64, 66-80, 82-85		
		- /-		
X Furt	ther documents are listed in the continuation of box C.	X Patent family members are lists	nd in annex.	
	ategories of cited documents :	T' later document published after the i		
const	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international	or priority date and not in conflict was cited to understand the principle or invention "X" document of particular relevance; the	theory underlying the	
filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken adone which is cited to establish the publication date of another diation or other special reason (as specified) cannot be considered novel or cannot be considered to involve an inventive step when the document is taken adone which is cited to establish the publication date of another considered to involve an inventive step when the document to the considered to involve an inventive step when the			not be considered to document is taken alone se claimed invention	
'O' docum	nent referring to an oral disclosure, use, exhibition or means nent published prior to the international filling date but	document is combined with one or ments, such combination being ob in the art.	more other such docu- vious to a person skilled	
tater than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report				
10 September 2004 24/09/2004				
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer		
European Patent Crice, P.B. 5818 Patentiaan 2 Nl. – 2280 HV Rijswijk Tel. (431–70) 340–2040, Tx. 31 651 epo nl, Fac: (431–70) 340–3016		Korsner, S-E		

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Herevant to dam No.
Y	MANOHARAN: "Oligonucleotide conjugates as potential antisense drugs with improved uptake, biodistribution, targeted delivery, and mechanism of action" ANTISENSE NUCLEIC ACID DRUG DEVELOPMENT, vol. 12, 2002, pages 103-128, XP002294027 cited in the application * See pages 106-112 (Conjugates improving cellular association: lipophilic molecular conjugation) *	1-18, 20-64, 66-80, 82-85
Y	CHIU ET AL: "RNAi in human cells: Basic structural and functional features of small interfering RNA" MOLECULAR CELL, vol. 10, 2002, pages 549-561, XP002978510 cited in the application * See page 552 (left column), and pages 558-559 (Discussion) *	1-18, 20-64, 66-80, 82-85
Υ .	SCHWARZ ET AL: "Evidence that siRNAs function as guides, not primers, in the Drosophila and human RNAi patways" MOLECULAR CELL, vol. 10, 2002, pages 537-548, XP002257820 cited in the application * See pages 537-538 (Introduction), and page 544 (right column) *	1-18, 20-64, 66-80, 82-85
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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
Although Claims 52-74 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.				
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
·				
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				



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Вох	No. i	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With	h regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ention, the international search was carried out on the basis of:
	a.	type of material X a sequence listing table(s) related to the sequence listing
	b.	format of material X in written format In computer readable form
	c.	time of filing/furnishing X contained in the international application as filed filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Add	ditional comments:



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Information on patent family members

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Patent document cited in search report	Publication date	Patent-family member(s)		Publication date
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